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(54) Title: NEW POROGENS FOR POROUS SILICA DIELECTRIC FOR INTEGRAL CIRCUIT APPLICATIONS

(57) Abstract: The invention relates to the production of nanoporous silica dielectric films and to semiconductor devices and integrated circuits comprising these improved films. The nanoporous films of the invention are prepared using silicon containing pre-polymers and are prepared by a process that allows crosslinking at lowered gel temperatures by means of a metal-ion-free onium or nucleophile catalyst.



Inmational Application No. PCT/US 02/15255

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L21/316 H01L21/312 C08J9/26

C09D183/04

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#### **B. FIELDS SEARCHED**

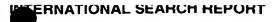
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

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Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL – 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  Depijper, R



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